

Appl. No. 10/604,854
Amdt. dated March 24, 2006
Reply to Office action of January 13, 2006

Amendments to the Claims:

Listing of Claims:

Claims 1-11 (cancelled)

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12 (previously presented): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display panel;

10 a top frame for accommodating and fixing the upper module;

a bottom frame positioned below the upper module and fixed to the top frame;

a plurality of lamps positioned within the bottom frame;

a plurality of buffer sheets positioned on portions of surfaces contacting with the lamps; and

15 a plurality of fixing elements positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;

wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

20 13 (previously presented): The backlight unit of claim 12 wherein the optical sheet comprises at least a diffuser sheet and a prism sheet.

14 (previously presented): The backlight unit of claim 12 wherein the bottom frame comprises a reflecting sheet surrounding the lamps.

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15 (previously presented): The backlight unit of claim 12 wherein the top frame comprises a plurality of fixing elements for fixing the optical sheet and the diffusion plate

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to the backside of the display panel.

16 (previously presented): The backlight unit of claim 12 wherein the fixing elements comprise screws.

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17 (previously presented): The backlight unit of claim 12 wherein the lamps comprise cold cathode fluorescent lamps.

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18 (previously presented): The backlight unit of claim 12 wherein the lamps comprise external electrode fluorescent lamps.

19 (previously presented): The backlight unit of claim 18 wherein a conductive clip is positioned at an external electrode of the external electrode fluorescent lamps to simplify procedures of changing the lamps.

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20 (previously presented): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display panel;

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a top frame for accommodating and fixing the upper module, wherein the top frame comprises a plurality of first fixing elements for fixing the optical sheet and the diffusion plate to the backside of the display panel;

a bottom frame positioned below the upper module and fixed to the top frame;

a plurality of lamps positioned within the bottom frame; and

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a plurality of second fixing elements positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;

wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

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21 (previously presented): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel,
5 the optical sheet and the diffusion plate forming an upper module with the display panel;
a top frame for accommodating and fixing the upper module;
a bottom frame positioned below the upper module and fixed to the top frame;
a plurality of lamps positioned within the bottom frame; and
a plurality of screws positioned on the top frame and the bottom frame for
10 detachable connection of the bottom frame to the top frame;
wherein the backlight unit is capable of changing the lamps within the bottom frame
after removal of the upper module above the bottom frame.

22 (previously presented): A backlight unit for changing lamps therein conveniently, the
15 backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel,
the optical sheet and the diffusion plate forming an upper module with the display panel;
a top frame for accommodating and fixing the upper module;
a bottom frame positioned below the upper module and fixed to the top frame;
20 a plurality of external electrode fluorescent lamps positioned within the bottom
frame, wherein a conductive clip is positioned at an external electrode of the external
electrode fluorescent lamps to simplify procedures of changing the lamps; and
a plurality of fixing elements positioned on the top frame and the bottom frame for
detachable connection of the bottom frame to the top frame;
25 wherein the backlight unit is capable of changing the lamps within the bottom frame
after removal of the upper module above the bottom frame.

23 (new): The backlight unit of claim 20 wherein the optical sheet comprises at least a

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diffuser sheet and a prism sheet.

24 (new): The backlight unit of claim 21 wherein the optical sheet comprises at least a diffuser sheet and a prism sheet.

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25 (new): The backlight unit of claim 22 wherein the optical sheet comprises at least a diffuser sheet and a prism sheet.

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